

# Weekly Report

06/01/2015-06/07/2015

## Research

This week, I am reading the introduction of graphical models which shows the structure of probabilistic models. In a probabilistic graphical model, each node represents a random variable, and the links stand for probabilistic relationships between these variables. With the basic concept of graphical models, I can read the 8th chapter of “pattern recognition and machine learning”. And I find a case that demonstrates a strong transition along the railway. However, I think they are not the passengers on the train, because their location are static in most patterns.

## Plan for next week

- Find cases of our storyline project.
- Make a report about cluster analysis.

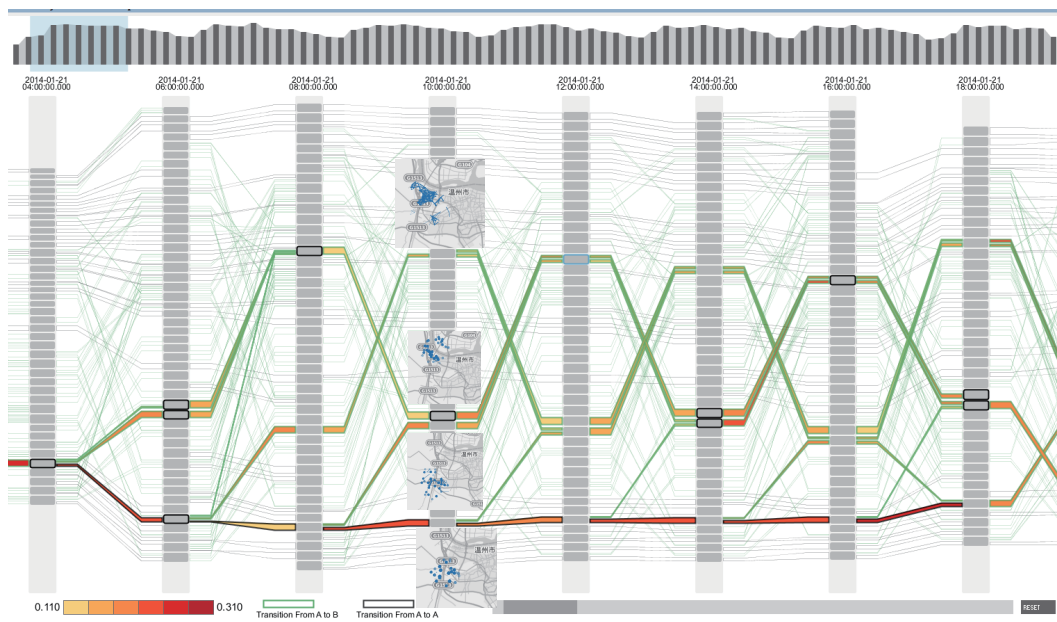


Figure 1: a strong transition along the railway